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Approved for use through 09/30/2000 OMB 0651-0032  
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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No. MTEC101001

First Inventor or Application Identifier Gary M. Moore

Title Method of Controlling Gas Flow to a Semiconductor Processing Reactor

Express Mail Label No. EL579665944US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

- 1 ☒ \*Fee Transmittal  
(Submit an original and a duplicate for fee processing)
- 2 ☒ Specification  
(preferred arrangement set forth below) [Total Pages 39]
- ☒ Description Pages 31
- Descriptive Title of the Invention  
-Cross References to Related Applications  
-Reference to Microfiche Appendix  
-Background of the Invention  
-Brief Summary of the Invention  
-Brief Description of the Drawings (if filed)  
-Detailed Description
- ☒ Claim(s) [Total Pages 7]
- ☒ Abstract of the Disclosure [Total Pages 1]
- 3 ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 10]
4. Oath or Declaration [Total Pages 2]
- a ☐ Newly executed (original or copy)
- b ☒ Copy from a prior application (37 C.F.R. § 1.63(d))  
(for continuation/divisional with Box 16 completed)
- ☐ DELETION OF INVENTOR(S)
- Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).

- 5 ☐ Microfiche Computer Program (Appendix)
- 6 Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
- a. ☐ Computer Readable Copy
- b. ☐ Paper Copy (identical to computer copy)
- c. ☐ Statement verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

- 7 ☐ Assignment papers
- 8 ☐ 37 C.F.R. § 3.73(b) Statement Power of Attorney  
(when there is an assignee)
- 9 ☐ English Translation Document (if applicable)
- 10 ☒ Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
- 11 ☒ Preliminary Amendment
- 12 ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
- 13 ☐ \*Small Entity Statement(s) ☐ Statement filed in prior application, Status still proper and desired (PTO/SB/09-12)
- 14 ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
- 15 ☒ Request and Certification Under 35 U.S.C. 122(b)(2)(B)(i)
- Other:
- Check in the amount of \$1030.00 for filing and extra claim fees

\*NOTE FOR ITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

## 16. IF a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment

- ☐ Continuation ☒ Divisional ☐ Continuation-in-part (CIP) of prior application serial No. 09/399,611
- ☐ Prior application information Examiner S. Mulpun Group/Art Unit 2812

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 17. CORRESPONDENCE ADDRESS

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|-------------------|------------------|-----------------------------------|------------|
| Name (Print/Type) | Serge J. Hodgson | Registration No. (Attorney/Agent) | 40,017     |
| Signature         |                  | Date                              | 01/18/2001 |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Gary M. Moore  
 Assignee: Moore Epitaxial Inc.  
 Title: METHOD OF CONTROLLING GAS FLOW TO A SEMICONDUCTOR PROCESS REACTOR  
 Filed: Herewith Docket No.: MTEC101001

Monterey  
 January 18, 2001

## FEE TRANSMITTAL

### 1. BASIC FILING FEE

| Large Fee Code | Large Entity Fee (\$) | Small Fee Code | Small Entity Fee (\$) | Fee Description        | Fee Paid (\$) | (S) |
|----------------|-----------------------|----------------|-----------------------|------------------------|---------------|-----|
| 101            | 710                   | 201            | 35                    | Utility filing fee     | 710           |     |
| 106            | 320                   | 206            | 160                   | Design filing fee      | 000           |     |
| 114            | 150                   | 214            | 75                    | Provisional filing fee | 000           |     |
| SUBTOTAL       |                       |                |                       |                        | 710           | 710 |

### 2. EXTRA CLAIM FEES

|                    | **          | Extra Claims | Fee from Below | Fee Paid (\$) |
|--------------------|-------------|--------------|----------------|---------------|
| Total Claims       | 20 - 20 = 0 | X            | 18             | 0             |
| Independent Claims | 7 - 3 = 4   | X            | 80             | 320           |
| Multiple Dependent |             |              |                | 0             |

\*\* or number previously paid, if greater.

| Large Fee Code | Large Entity Fee (\$) | Small Fee Code | Small Entity Fee (\$) |                                       |
|----------------|-----------------------|----------------|-----------------------|---------------------------------------|
| 103            | 18                    | 203            | 9                     | Claims in excess of 20                |
| 102            | 80                    | 202            | 40                    | Independent claims in excess of 3     |
| 104            | 270                   | 204            | 135                   | Multiple dependent claim, if not paid |

SUBTOTAL 320 320

TOTAL 1030

☒ A check in the amount of \$1030.00 payable to the Commissioner of patents is enclosed.

☒ Conditional Petition for Extension of Time: If an extension of time is required for timely filing of the enclosed documents after all papers filed with this transmittal have been considered, Applicant hereby petitions for such an extension of time.

☒ The Commissioner is hereby authorized to charge any additional fees required for consideration of the enclosed documents, and to credit any overpayment of fees to Deposit Account No. 50-0553.

Respectfully submitted,

EXPRESS MAIL LABEL NO.

EL579665944US

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|  |                      |   |
|--|----------------------|---|
| <b>REQUEST AND CERTIFICATION</b><br><br><b>UNDER</b><br><br><b>35 U.S.C. 122(b)(2)(B)(i)</b> | First Named Inventor | Gary M. Moore   |
|  | Title                | METHOD OF CONTROLLING GAS FLOW TO<br>SEMICONDUCTOR PROCESSING REACTOR |
|  | Atty Docket Number   | MTEC101001  |

10041 U.S. Pat. & Tm. Off.  
09/16/01

I hereby certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

January 18, 2001  
Date

Signature

Serge J. Hodgson  
Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

Burden Hour Statement. This collection of information is required by 37 CFR 1.213(a). The information is used by the public to request that an application not be published under 35 U.S.C. 122(b) (and the PTO to process that request). Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 6 minutes to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231